



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Philip A. Chou et al.

Examiner: Ly, Anh Vu H

Patent No.: 6,996,097

Group Art Unit: 2667

Issue Date: Feb. 7, 2006

Confirmation No.: 6971

Customer No.: 22971

Docket No: 131771.01

Title: RECEIVER-DRIVEN LAYERED ERROR CORRECTION MULTICAST OVER HETEROGENEOUS  
PACKET NETWORKS

Attn: Certificate of Correction Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

We are transmitting herewith the attached:

- ☒ Authorization to charge the Certificate of Correction fee of \$100.00 to the Deposit Account No. **50-0463**.
- ☒ Request for Certificate of Correction (1 pg.).
- ☒ Certificate of Correction Form - PTO-1050 (3 pgs.).
- ☒ A return postcard.

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**Customer Number: 22971**

By: /Sung T. Kim  
Attorney Name: Sung T. Kim  
Reg. No.: 45,398

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*Christine Hartness*

Christine Hartness

Patent 6,996,097

PATENT

**IN UNITED STATES PATENT AND TRADEMARK OFFICE**

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HETEROGENEOUS PACKET NETWORKS

**REQUEST FOR CERTIFICATION OF CORRECTION**

Attn: Certificate of Correction Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

It is requested that a Certificate of Correction be issued correcting printing errors appearing in the above-identified United States patent. Two copies of the text of the Certificate in the suggested form are enclosed.

Pursuant to 1.20(a), the examiner is authorized to charge the Certificate of Correction fee of \$100.00 to the Deposit Account No. **50-0463**.

Issuance of the Certificate of Correction would neither expand nor contract the scope of the claims as properly allowed, and re-examination is not required.

The Examiner is authorized to charge any additional fees or credit overpayment to Deposit Account No. **50-0463**.

08/24/2009 EEKUBAY1 00000028 500463 6996097  
1 FC:1811 100.00 DA

Respectfully submitted,

Customer Number: 22971

Certificate  
AUG 26 2009  
of Correction

Date: June 23, 2009

By: /Sung T. Kim/

Attorney Name: Sung T. Kim

Reg. No.: 45,398

**CERTIFICATE UNDER 37 CFR § 1.8:** The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Attn: Certificate of Correction Branch, Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450, on this 20<sup>th</sup> day of August 2009.

Christine Hartness  
Christine Hartness

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(Also Form PTO-1050)

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 6,996,097

DATED : Feb. 7, 2006

INVENTOR(S) : Philip A. Chou et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the face page, in field (56), under "Other Publications", in column 1, line 2, delete "Reopt" and insert - - Report - -, therefor.

In column 3, line 48, after "scribed to" delete "is".

$$\begin{bmatrix} y_1 \\ y_2 \\ y_3 \\ \vdots \\ y_n \end{bmatrix} = \begin{bmatrix} a_{11} & a_{12} & \dots & a_{1k} \\ a_{21} & a_{22} & \dots & a_{2k} \\ a_{31} & a_{32} & \dots & a_{3k} \\ \vdots & \vdots & \ddots & \vdots \\ a_{n1} & a_{n2} & \dots & a_{nk} \end{bmatrix} \begin{bmatrix} x_1 \\ x_2 \\ \vdots \\ x_k \end{bmatrix}$$

In column 11, line(s) 45-53, delete "  $\begin{bmatrix} y_1 \\ y_2 \\ y_3 \\ \vdots \\ y_n \end{bmatrix} = \begin{bmatrix} a_{11} & a_{12} & \dots & a_{1k} \\ a_{21} & a_{22} & \dots & a_{2k} \\ a_{31} & a_{32} & \dots & a_{3k} \\ \vdots & \vdots & \ddots & \vdots \\ a_{n1} & a_{n2} & \dots & a_{nk} \end{bmatrix} \begin{bmatrix} x_1 \\ x_2 \\ \vdots \\ x_k \end{bmatrix}$  " and

insert - -  $\begin{bmatrix} y_1 \\ y_2 \\ y_3 \\ \vdots \\ y_n \end{bmatrix} = \begin{bmatrix} a_{11} & a_{12} & \dots & a_{1k} \\ a_{21} & a_{22} & \dots & a_{2k} \\ a_{31} & a_{32} & \dots & a_{3k} \\ \vdots & \vdots & \ddots & \vdots \\ a_{n1} & a_{n2} & \dots & a_{nk} \end{bmatrix} \begin{bmatrix} x_1 \\ x_2 \\ \vdots \\ x_k \end{bmatrix}$  - -, therefor.

MAILING ADDRESS OF SENDER:

CPA Global  
P.O. Box 52050  
Minneapolis, MN 55402

Atty Docket No: 131771.01

PATENT NO. 6,996,097

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 6,996,097

DATED : Feb. 7, 2006

INVENTOR(S) : Philip A. Chou et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 12, line(s) 26-30, delete "
$$X = \begin{bmatrix} x_{11} & x_{12} & \dots & x_{1m} \\ x_{21} & x_{22} & \dots & x_{2m} \\ \vdots & \vdots & \ddots & \vdots \\ x_{k1} & x_{k2} & \dots & x_{km} \end{bmatrix}$$
" and  
insert -- 
$$X = \begin{bmatrix} x_{11} & x_{12} & \dots & x_{1m} \\ x_{21} & x_{22} & \dots & x_{2m} \\ \vdots & \vdots & \ddots & \vdots \\ x_{k1} & x_{k2} & \dots & x_{km} \end{bmatrix}$$
 --, therefor.

In column 12, line(s) 36-44, delete "
$$Y = \begin{bmatrix} y_{11} & y_{12} & \dots & y_{1m} \\ y_{21} & y_{22} & \dots & y_{2m} \\ y_{31} & y_{32} & \dots & y_{3m} \\ \vdots & \vdots & \ddots & \vdots \\ y_{n1} & y_{n2} & \dots & y_{nm} \end{bmatrix} = \begin{bmatrix} a_{11} & a_{12} & \dots & a_{1k} \\ a_{21} & a_{22} & \dots & a_{2k} \\ a_{31} & a_{32} & \dots & a_{3k} \\ \vdots & \vdots & \ddots & \vdots \\ a_{n1} & a_{n2} & \dots & a_{nk} \end{bmatrix} X$$
" and insert  
-- 
$$Y = \begin{bmatrix} y_{11} & y_{12} & \dots & y_{1m} \\ y_{21} & y_{22} & \dots & y_{2m} \\ y_{31} & y_{32} & \dots & y_{3m} \\ \vdots & \vdots & \ddots & \vdots \\ y_{n1} & y_{n2} & \dots & y_{nm} \end{bmatrix} = \begin{bmatrix} a_{11} & a_{12} & \dots & a_{1k} \\ a_{21} & a_{22} & \dots & a_{2k} \\ a_{31} & a_{32} & \dots & a_{3k} \\ \vdots & \vdots & \ddots & \vdots \\ a_{n1} & a_{n2} & \dots & a_{nk} \end{bmatrix} X$$
 --, therefor.

In column 16, line 53, after "time=0,  $S_{t+1}$ " delete " , ".

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PATENT NO : 6,996,097

DATED : Feb. 7, 2006

INVENTOR(S) : Philip A. Chou et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 16, line 54, after "time=1" insert - - , - - .

In column 18, line 52, after "P<sub>b+1,1</sub>" delete ",".

In column 19, line 53, after "FIG. 12A" delete "," and insert - - . - - , therefor.

In column 26, line 59, in Claim 11, delete "layer" and insert - - stream - - , therefor.

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